

PATENT ABSTRACTS OF JAPAN

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(54) INFRARED-RAY DATA COMMUNICATION MODULE, AND MANUFACTURE THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an infrared-ray data communication module which is high in the effect of shielding such as electrostatic shielding as compared with conventional ones, and can reduce noise, and is excellent in reliability because the shielding part is hardly damaged from the outside, and further is high flexibility in its shape design.

SOLUTION: This infrared-ray data communication module is composed of a board 1, where a circuit is made, a light emitting element 2 mounted on this board 1, a light receiving element 3, an IC chip 4, a shielding part 5 for shielding it from the light or electromagnetic waves from the outside, and lens parts 6a and 6b. In this case, the shielding part 5 is sealed with infrared transmitting resin 6 which forms the lens parts 6a and 6b.

